



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

1200 Pennsylvania Avenue, N.W.

WASHINGTON, D.C. 20460

Form Approved OMB No. 2070-0060

Paperwork Reduction Act Notice: The public reporting burden for this collection of information is estimated to average 0.25 hours per response for registration activities and 0.25 hours per response for reregistration and special review activities, including time for reading the instruction and completing the necessary forms. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing the burden to: Director, OPPE Information Management Division (2137), U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, N.W., Washington D.C. 20460. Do not send the form to this address.

DATA MATRIX

Date	December 7, 2018	EPA Reg No./ File Symbol	45728-xxx	Page 1 of 10
Applicant's/Registrant's Name and Address	Taminco US LLC 200 S. Wilcox Drive Kingsport, TN 37660-5147	Product	CHLORMEQUAT CHLORIDE MUP	
Ingredient	Chlormequat Chloride (CAS no 999-81-5)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
Product Chemistry					
830.1550	Product identity and composition	50747501	Taminco US LLC	NEW	
830.1600	Description of materials used to produce the product	50747501	Taminco US LLC	NEW	
830.1620	Description of production process	50747501	Taminco US LLC	NEW	
830.1670	Formation of impurities	50747501	Taminco US LLC	NEW	
830.1700	Preliminary analysis	50747502	Taminco US LLC	NEW	
830.1750	Certified limits	50747501	Taminco US LLC	NEW	
830.1800	Enforcement and analytical method	47100503	Taminco US LLC	NEW	
830.6302	Color	47100505	Taminco US LLC	OWN	
830.6303	Physical state	47100505	Taminco US LLC	OWN	
830.6304	Odor	47100505	Taminco US LLC	OWN	
830.6313	Stability to normal and elevated temperatures, metals, and metal ions	47764701	Fine Agrochemicals, Ltd.	PAY	
830.6314	Oxidation/reduction: chemical incompatibility	47100511	Taminco US LLC	OWN	
830.6315	Flammability	47100512	Taminco US LLC	OWN	
830.6316	Explosibility	47100513	Taminco US LLC	OWN	
830.6317	Storage stability	48442701	Taminco US LLC	OWN	
		47100514	Taminco US LLC	OWN	
830.6320	Corrosion characteristics	48442701	Taminco US LLC	OWN	
830.7000	pH	47100505	Taminco US LLC	OWN	

Signature

Name and Title

Jessica McLaughlin – Regulatory Affairs & Product
Steward

Date

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Ingredient	Chlormequat Chloride (CAS no 999-81-5)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
830.7050	UV/Visible absorption	47100515	Taminco US LLC	OWN	
830.7100	Viscosity	47100505	Taminco US LLC	OWN	
830.7220	Boiling point/boiling range	47100506	Taminco US LLC	OWN	
830.7300	Density	47115301	Taminco US LLC	OWN	
830.7370	Dissociation constants in water	47115302	Taminco US LLC	OWN	
830.7550	Partition coefficient	47100510	Taminco US LLC	OWN	
830.7840	Water solubility	47100508	Taminco US LLC	OWN	
830.7950	Vapor pressure	47115301	Taminco US LLC	OWN	
850.1010	Acute toxicity to freshwater invertebrates			OLD	
850.1075	Estuarine and marine toxicity- fish	50747503	Taminco US LLC	NEW	
850.1025	Estuarine/marine toxicity - mollusk (oyster acute toxicity test - shell deposition)	50747504	Taminco US LLC	NEW	
850.1035	Estuarine/marine toxicity - shrimp (mysid acute toxicity test)	50747505	Taminco US LLC	NEW	
850.1075	Fish acute toxicity - bluegill			OLD OLD	
Signature				Name and Title Jessica McLaughlin – Regulatory Affairs & Product Steward	Date 12/7/2018



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Ingredient	Chlormequat Chloride (CAS no 999-81-5)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.1075	Fish acute toxicity - rainbow trout	46715217	BASF	PER	
850.1300	Aquatic invertebrate lifecycle (freshwater)	46715215 46715216	BASF BASF	PER PER	
850.1400	Fish early life stage- freshwater	50747506	Taminco US LLC	NEW	
850.2100	Avian acute oral- passerine	50747507	Taminco US LLC	NEW	
850.2100	Avian acute oral toxicity	41785803 46715211	BASF	OLD PER	
850.2200	Avian dietary- quail	123259 138717 41785801 46715212	BASF	OLD OLD OLD PER	
850.2200	Avian dietary- duck	123260 125199 138718 41785802 46715213	BASF	OLD OLD OLD OLD PER	
850.2300	Avian reproduction- quail	50747509	Taminco US LLC	NEW	
850.2300	Avian reproduction- duck	50747508	Taminco US LLC	NEW	
850.3020	Honey bee acute contact LD ₅₀	46715224	BASF	PER	
SS-1254	Adult honeybee chronic oral toxicity	50747511	Taminco US LLC	NEW	
SS-1256	Acute oral toxicity- honeybee adult	50747510	Taminco US LLC	NEW	
SS-1257	Acute oral toxicity- honeybee larvae	50747513	Taminco US LLC	NEW	
SS-1344	Chronic Oral Toxicity- Larval honeybee	50747512	Taminco US LLC	NEW	

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Ingredient	Chlormequat Chloride (CAS no 999-81-5)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
850.4100	Seedling emergence and seedling growth	50747514	Taminco US LLC	NEW	
850.4150	Vegetative vigor	50747515	Taminco US LLC	NEW	
850.4400	Aquatic plant growth toxicity (Tier II)	46715221 46715222 46715223	BASF BASF BASF	PER PER PER	
850.6100	Environmental chemistry methods and associated independent laboratory validations for soil and water	50747516 50747517 50747518 50747519	Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC	NEW NEW NEW NEW	
860.1300	Nature of the residue – plants	49974801	Taminco US LLC	OWN	
860.1300	Nature of the residue - hen	124057 49974803	Taminco US LLC	OLD OWN	
860.1300	Nature of the residue- goat	124056 140114 49974802	Taminco US LLC	OLD OLD OWN	
860.1340	Residue analytical method – plants and animals	73918 73919 73922 73923 98071 100746 125211		OLD OLD OLD OLD OLD OLD OLD	

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Ingredient	Chlormequat Chloride (CAS no 999-81-5)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		139022 49974804 49974805 49974806 49974807 49974808	Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC	OLD OWN OWN OWN OWN OWN	
860.1360	Multi-residue method	49974808	Taminco US LLC	OWN	
860.1380	Storage stability	49974809 49974810	Taminco US LLC Taminco US LLC	OWN OWN	
860.1500	Magnitude of residue- Crop field trials	49974813 49974814 49974815 49974816 49974817 49974818 49974819 49974820 49974821 49974822 49974823 49974824 49974825 49974826	Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC	OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN OWN	

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Ingredient	Chlormequat Chloride (CAS no 999-81-5)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
		49974827 49974828 50747520 50747521 50747522 50747523	Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC Taminco US LLC	OWN OWN NEW NEW NEW NEW	
860.1520	Magnitude of residue- processed food or feed	49974829 49974830 49974831	Taminco US LLC Taminco US LLC Taminco US LLC	OWN OWN OWN	
860.1550	Proposed tolerance	49974800 50747524	Taminco US LLC Taminco US LLC	OWN NEW	
860.1560	Reasonable grounds in support of petition	50747524	Taminco US LLC	NEW	
860.1850	Confined rotational crops	49974832	Taminco US LLC	OWN	
870.1100	Acute oral toxicity - rat	41721604		OLD	
870.1200	Acute dermal toxicity	41721605		OLD	
870.1300	Acute inhalation toxicity - rat	41721606		OLD	
870.2400	Primary eye irritation - rabbit	41721607		OLD	
870.2500	Primary skin irritation - rabbit	41721608		OLD	
870.2600	Dermal sensitization	41721609		OLD	
870.3100	Subchronic feeding - rat/mouse	123247 125189		OLD OLD	

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Guideline Reference Number	Guideline Study Name	MRIID Number	Submitter	Status	Note
		163408		OLD	
870.3150	Subchronic feeding - dog	46715201	BASF	PER	
870.3200	21-day dermal - rabbit/rat	42246603		OLD	
870.3250	90-day dermal toxicity	42246603		OLD	
870.3465	28-day inhalation toxicity	50747525	Taminco US LLC	NEW	
870.3700	Developmental toxicity - rat	42246604		OLD	
870.3700b	Prenatal developmental in nonrodents (rabbits)	123258 125197 138710 46715205	BASF	OLD OLD OLD PER	
870.3800	Reproduction and developmental effects (reproduction and fertility effects)	123253 125192 138712 138713 42449401 46715206	BASF	OLD OLD OLD OLD OLD PER	
870.4100	Chronic feeding toxicity study - rat	35042 42261 123251 123252 46715202	BASF	OLD OLD OLD OLD PER	
870.4200	Carcinogenicity -rat	138714 46715203	BASF	OLD PER	

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Ingredient	Chlormequat Chloride (CAS no 999-81-5)			

Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
870.4200	Carcinogenicity -mouse	46375 47796 123250 46715204	BASF	OLD OLD OLD PER	
870.5265	Bacterial reverse mutation test (Ames Assay)	41721610		OLD	
870.5300	In vitro mammalian cell assay	41798102		OLD	
870.5375	In vitro mammalian cell assay	41798103		OLD	
870.5385 870.5395	In vivo chromosome aberration	41798101		OLD	
870.5550	Unscheduled DNA synthesis in mammalian cells in culture	41798103		OLD	
870.6200 870.7485	Acute neurotoxicity screen study in rats Metabolism and pharmacokinetics	50182001 100736 123245 124055 125187 46715208 46715207	Taminco US LLC BASF BASF	OWN OLD OLD OLD OLD PER PER	
870.7800	Immunotoxicity	50747526	Taminco US LLC	Waiver request	

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Guideline Reference Number	Guideline Study Name	MRID Number	Submitter	Status	Note
835.1230 835.1240	Leaching/ adsorption/ desorption	124060 124061 124062 137646 137647 140113 46715228 46715229 46715230	BASF BASF BASF	OLD OLD OLD OLD OLD OLD PER PER PER	
835.2120	Hydrolysis	124063 137642 137643 47769403	BASF	OLD OLD OLD PER	
835.2240	Photodegradation - water	47769404	BASF	PER	
835.2410	Photodegradation - soil	137644		OLD	
835.4100	Aerobic soil metabolism	50747527	Taminco US LLC	NEW	
835.4200	Anaerobic soil metabolism	47769405 47769406 47769407	BASF BASF BASF	PER PER PER	
835.4300	Aerobic aquatic metabolism	46715227 50747528	BASF Taminco US LLC	PER NEW	

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835.4400	Anaerobic aquatic metabolism	50747529	Taminco US LLC	NEW	
835.6100	Terrestrial field dissipation	50747530	Taminco US LLC	NEW	
		50747531	Taminco US LLC	NEW	
		50747532	Taminco US LLC	NEW	
		50747533	Taminco US LLC	NEW	
875.1300	Inhalation exposure - outdoor (applicator)		Ag Handlers Exposure Task Force*	OWN	
875.2500	Inhalation exposure - outdoor (post-application)		Ag Reentry Task Force**	OWN	
875.2700	Product use information		Taminco US LLC	OWN	Taminco label

- *Taminco US LLC is a member of the Ag Handlers Exposure Task Force and TF data will cover this requirement
- ** Taminco US LLC is a member of the Ag Reentry Task Force and TF data will cover this requirement

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